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MONTANA OIL AND GAS STATISTICAL BULLETIN

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THE OIL AND GAS CONSERVATION COMMISSION

VOL. V. No. 8 McKEE PRINT. August, 1957

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1957, averaged 76,664 barrels daily, an increase of 265 barrels from the average July production of 76,399.

The eleven refineries in the State processed 72,006 barrels of crude oil daily for the month of August, 1957, an increase of 10,723 barrels daily from the 61,283 barrels processed daily during the month of July, 1957.

During August, 43 wells were completed, 16 oil, 3 gas wells and 24 dry holes.

During August, the Commission issued 40 permits to drill new wells, an increase of 5 from the 35 permits issued during July.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF AUGUST, 1957

IN STORAGE AUGUST 1st:	
By Producers	354,968
By Transporters	718,639
By Refiners	690,444
TOTAL STORAGE	1,764,051
Produced in Montana During Month	2,376,585
Imported During Month	1,315,688
TOTALS	5,456,324
DISPOSITION:	
Refined in Montana	2,232,215
Exported	1,599,024
Used for Fuel or Lost	20,815
TOTAL	3,852,054
IN STORAGE AUGUST 31st:	
By Producers	353,559
By Transporters	734,716
By Refiners	515,995
TOTAL STORAGE	1,604,270

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1957

Field	M Cu. Ft.
Bears Den	857
Big Coulee	26,818
Bowdoin	35,206
Bowes	30,287
Box Elder	11,376
Cabin Creek	41,062
Cedar Creek	147,628
Cut Bank (Including Reagan)	308,151
Devon	17,418
Dry Creek	91,032
Elk Basin	31,678
Flat Coulee	21,590
Golden Dome	2,192
Hardin	2,285
Keith Block	44,010
Kevin-Sunburst	45,655
Pine	83,284
Plevna	20,566
Utopia	5,365
Whitlash	66,031
Miscellaneous	73,204
TOTAL	1,605,695

Total Withdrawal for August, 1956, were 1,345,390 M Cu. Ft.

PRODUCER'S REPORT

MONTH OF AUGUST, 1957

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	1,223	3,362	.....	3,495	.....	1,090
2	Bannatyne	3	.....	382	.....	382	.....	.....
9	Big Wall	27	4,860	22,182	.....	20,617	495	5,930
6	Blackfoot	6	2,440	9,209	8,052	.....	.....	3,597
4	Border	8	.....	235	.....	235	.....	.....
18	Bowes	84	9,252	24,675	26,479	.....	.....	7,448
3	Bredette	3	2,568	1,455	1,552	.....	.....	2,471
4	North Bredette	4	3,170	12,306	7,700	3,746	.....	4,030
1	Brorson	2	1,194	2,134	1,812	.....	.....	1,516
2	Bynum	2	331	188	.....	.....	.....	519
2	Cabin Creek	56	17,009	378,783	376,887	.....	956	17,949
29	Cat Creek	98	5,273	14,320	15,252	.....	.....	4,341
	Clark's Fork	....	179	.....	.....	.....	.....	179
2	Clark's Fork, North	3	3,794	12,251	.....	13,091	.....	2,954
2	Cupton	2	1,086	1,843	883	.....	11	2,035
343	Cut Bank	1,134	113,078	211,568	210,773	.....	23	113,850
3	Deer Creek	5	751	6,877	5,951	.....	.....	1,677
2	Delphia	2	1,452	5,425	.....	5,571	.....	1,306
1	Devil's Basin	2	464	65	.....	.....	.....	529
6	Dry Creek	6	1,179	7,631	7,670	.....	.....	1,140
20	Elk Basin	58	9,845	183,059	183,320	.....	.....	9,584
3	Fertile Prairie	3	1,420	2,208	824	964	.....	1,840
2	Frannie	2	1,013	3,853	4,509	.....	.....	357
1	Gage	1	733	89	.....	140	7	675
3	Gas City	12	3,707	29,937	28,687	.....	.....	4,957
6	Glendive	12	4,976	57,333	55,504	.....	.....	6,805
5	Ivanhoe	11	4,549	37,708	.....	38,824	.....	3,433
217	Kevin-Sunburst	1,412	16,088	82,492	81,736	.....	65	16,779
2	Lake Basin	2	432	207	.....	.....	.....	639
1	Little Beaver	7	1,751	20,418	19,598	.....	.....	2,571
2	East Little Beaver	2	1,569	1,982	2,278	.....	.....	1,273
5	Melstone	7	2,906	5,207	.....	3,776	7	4,330
3	Mosser	8	1,000	1,190	.....	475	.....	1,715
4	Outlook Area	4	7,225	17,163	14,977	.....	.....	9,411
11	Pennel	23	8,890	63,974	65,604	.....	.....	7,260
4	Pine	109	22,878	478,292	481,062	.....	589	19,519
73	Pondera	324	9,928	48,479	48,968	.....	.....	9,439
11	East Popular	91	25,462	392,433	386,526	.....	168	31,201
3	Northwest Popular	4	1,015	2,321	.....	1,845	.....	1,491
4	Ragged Point	8	3,696	7,023	.....	6,556	.....	4,163
1	Rattlesnake Butte	1	238	50	.....	.....	.....	288
4	Reagan	43	2,682	19,346	18,768	.....	.....	3,260
1	Repeat	1	662	1,382	1,158	.....	.....	886
4	Richey	8	3,523	15,980	17,182	.....	.....	2,321
2	Snyder	4	1,467	3,248	.....	3,149	.....	1,566
5	Soap Creek	18	15,269	11,523	.....	19,497	.....	7,295
1	Southwest Richey	2	1,374	794	1,811	.....	.....	357
18	Sumatra	57	16,431	113,274	113,279	4,362	.....	12,064
3	Sweetgrass Hills	3	682	497	.....	535	.....	644
10	Whitlash	28	6,000	8,828	8,740	.....	.....	6,088
8	Wolf Springs	20	6,880	47,953	47,910	.....	48	6,875
1	Woman's Pocket	1	.....	143	.....	143	.....	.....
2	Woodrow	2	478	3,069	2,770	.....	.....	777
1	Yellowstone	1	896	239	.....	.....	.....	1,135
881		3,740	354,968	2,376,585	2,248,222	127,403	2,369	353,559

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year 1956	21,759,561	59,615	21,585,574	59,139
First Quarter, 1957	6,374,172	71,620	6,318,255	70,992
Second Quarter, 1957	6,725,093	73,902	6,689,645	73,512
July 31, 1957	2,368,373	76,399	2,364,963	76,289
August 31, 1957	2,376,585	76,664	2,375,625	76,633

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1956	324,681	618,681	768,496	1,711,858
March 31, 1957	342,456	636,795	637,001	1,616,252
June 30, 1957	355,630	655,095	518,984	1,529,709
July 31, 1957	354,968	718,639	690,444	1,764,051
August 31, 1957	353,559	734,716	515,995	1,604,270

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF AUGUST, 1957

	Storage First of Month	Oil Received by			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,495				3,495		
BANNATYNE—Truck			382			382			
BIG WALL—Truck			20,617			11,306	9,311		
BLACKFOOT—Union Oil Co.		8,052				8,052			
BORDER—Truck			235			235			
BOWES—									
Trigood Oil Company	6,090	6,234			11		8,369		3,944
The Texas Company		20,245				20,245			
	6,090	26,479			11	20,245	8,369		3,944
BRORSON—Sun Oil Company		1,812					1,812		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	318,670	921,521		532,733	56		1,469,988		302,880
Shell Pipe Line Co.	1,984	90,650			297			85,764	6,573
	320,654	1,012,171		532,733	353		1,469,988	85,764	309,453
CAT CREEK—									
Continental Pipe Line Co.	6,639	10,319			1,031	12,566			3,361
Wm. Hanlon		4,933				4,933			
	6,639	15,252			1,031	17,499			3,361
CLARKS FORK—Truck			13,091			2,826	10,265		
CUT BANK									
Big West Oil Co.		3,834		19,465		23,299			
Darling Gathering System, Inc.	3,600	14,453				13,777			4,276
Phillips Petroleum Co.	43,036	43,134			643			19,523	66,004
Texas Pipe Line Co.	74,961	51,178		65,643	3,740	108,289		24,269	55,484
Toronto Pipe Line Co.	40,427	58,546			(13)			66,398	32,588
Union Oil Co.	124,153	43,431		25,082	2,485	55,610			134,571
	286,177	214,576		110,190	6,855	200,975		110,190	292,923
DELPHIA—Truck			5,571			5,571			
DRY CREEK—Ohio Oil Co.	8,148	7,670			115	8,030			7,673
ELK BASIN—Ohio Oil Co.		183,320				131,962	51,358		
FRANNIE—Ohio Oil Co.		4,509					4,509		
GAGE—Truck			140			140			
GLENDIVE— DEER CREEK & WOODROW—									
The Texas Pipe Line Co.	8,345	64,222			109		7,994	56,914†	7,550
IVANHOE—Truck			38,824			37,865	959		
KEVIN-SUNBURST									
Big West Oil Co.	2,186	38,705				38,702			2,189
Homestake Oil & Gas Co.	197	3,454				3,595			56
The Texas Pipe Line Co.	7,924	37,981		1,263	3,024	40,062			4,082
Anna Aronow	121	1,269						1,263	127
	10,428	81,409		1,263	3,024	82,359		1,263	6,454
MELSTONE—Truck			3,776			3,776			
MOSSER—Truck			475			475			
PONDERA—									
Phillips Petroleum Company	42,762	48,698			132	15,317			76,011
POPLAR, BREDETTE & OUTLOOK									
East Poplar Gathering System	15,209	388,579			378			390,054†	13,356
Trucks			26,602				26,602		
	15,209	388,579	26,602		378		26,602	390,054	13,356
RAGGED POINT—Truck			6,556			6,556			
REAGAN—Union Oil Co.		18,768				18,768			
SNYDER—Truck			3,149			3,149			
SOAP CREEK—Truck			19,497			19,497			
SUMATRA									
Powder River Pipe Line Inc.	11,429	113,279			567	113,461			10,680
Trucks			4,362				4,362		
	11,429	113,279	4,362		567	113,461	4,362		10,680
SWEETGRASS HILLS—Truck			535			535			
WHITLASH									
Homestake Oil & Gas Co.	2,494	170		7,335		9,695			1,304
Western Natural Gas Co.	264	7,403						7,336	331
Truck			1,168			1,168			
	2,758	7,573	1,168	7,335		9,863		7,336	1,635
WOLF SPRINGS—									
Powder River Pipe Line Co.		48,365			1,866	44,823			1,676
WOMAN'S POCKET—Truck			143			143			
TOTALS	718,639	2,244,734	148,618	651,521	14,441	763,810	1,599,024	651,521	734,716

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey, and Southwest Richey Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF AUGUST, 1957

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phil. Petr. Co.	The Texas Co.	Texas Calgary Co.	Union Oil Co	Unity Petr. Co.	Total by Fields
Bannatyne							382					382
Big Wall					9,953							9,953
Blackfoot										6,550		6,550
Bowes				19,891			3,695					23,586
Cat Creek			13,228			5,673						18,901
Clark's Fork					2,827							2,827
Cut Bank	23,298						474	173,640		54,914		252,326
Delphia						7,465						7,465
Dry Creek					8,570							8,570
Elk Basin		90,846	41,116									131,962
Ivanhoe					16,720					18,547		35,267
Kevin-Sunburst	22,691							65,550				88,241
Melstone					5,178							5,178
Mosser											792	792
Pondera	279						10,569					10,848
Ragged Point					5,987							5,987
Reagan										18,768		18,768
Snyder									1,007			1,007
Soap Creek									16,423		2,391	18,814
Sumatra			829		101,722							102,551
Sweetgrass Hills	533											533
Whitlash								16,485		1,826		18,311
Wolf Springs		53,334										53,334
Total Montana Oil	46,801	144,180	55,173	19,891	150,957	13,138	15,120	255,675	17,430	100,605	3,183	822,153
Canadian Oil Imported										5,050	1,430	6,480
Wyoming Oil Imported		646,169	285,790		470,148	1,475						1,403,582
TOTAL Montana Canadian and Wyoming Oil	46,801	790,349	340,963	19,891	621,105	14,613	15,120	255,675	17,430	105,655	4,613	2,232,215

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year 1956	24,735	239	37,486	62,460
August 1956	28,528	226	41,235	69,989
August 1957	26,521	209	45,276	72,006

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.60%	.39%	60.01%
40.76%	.32%	58.92%
36.83%	.29%	62.88%